植物研究 2010,30(4):394~396
Bulletin of Botanical Research

石蝴蝶属一新种——黄斑石蝴蝶

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摘 要 描述了苦苣苔科(Gesneriaceae)石蝴蝶属(*Petrocosmea* Oliv.)一新种——黄斑石蝴蝶(*P. xanthomaculata* G. Q. Gou et X. Y. Wang)。新种与贵州石蝴蝶(*P. cavaleriei* Lévl.)相近,但叶多数,20~40枚,叶基心形,花冠白色,在裂片之间具明显黄色斑纹,苞片小,长约1 mm,花柱除上部外密被开展的白色长柔毛而不同。

关键词 黄斑石蝴蝶;新种;石蝴蝶属;贵州

中图分类号:Q949 **文献标志码**:A **文章编号**:1673-5102(2010)04-0394-03

Petrocosmea xanthomaculata G. Q. Gou et X. Y. Wang, a New Species of the Genus *Petrocosmea* Oliv.

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Abstract *Petrocosmea xanthomaculata* G. Q. Gou et X. Y. Wang, a new species of *Petrocosmea* Oliv., Gesneriaceae from Guizhou, China, is described. This species is similar to *P. cavaleriei* Lévl., but differs by more 20-40 leaves, cordate leaves, white corolla with obvious yellow stripe between the lobe, small bracts with a length of about 1 mm long, and style, except the upper part with densely unfolded long white pubescence.

Key words *Petrocosmea xanthomaculata* G. Q. Gou et X. Y. Wang; new species; *Petrocosmea* Oliv.; Guizhou

黄斑石蝴蝶 新种 图1,图版 I

Petrocosmea xanthomaculata G. Q. Gou et X. Y. Wang, sp. nov. Fig. 1, Plate 1.

Species *P. cavaleriei* Lévl. Similis, sed foliis 20-40, basi cordata, corolla alba, intus infra labium anticum flavomaculosa, bractea circ. 1mm longa, stylo parte superiore excepta albo-villoso differt.

Herba perennis parva. Folia 20-40, basalia; laminea herbaceae, late ovatae, oblongo-ovatae vel rotundato-ovatae, 0.3-2 cm longae, 0.4-2.5 cm latae, apice obtusae vel rotundatae, basi cordatae, margine crenatae, supra dense pubescentes, griseo-virescentes, subtus densius pilosae, purpureae, nervis lateralibus utrinsecus 2-3, subtus conspicuis; petioli usque ad 1-4 cm longi, albo-villosi. Scapi 2-5, 3-7 cm alti, albo-villosuli; cymae 1-florae; bracteae 2, parvae, anguste lanceolatae, circ. 1 mm longae. Sepala 5, lanceolato-linearia, 2-4 mm longa, 0.4-0.7 mm lata, extus villosula. Corolla alba, utrinque puberula, intus inter labium conspicuum flavo-maculosa, tubo circ. 4-5 mm longo, labio postico 3-4 mm longo 2-fido, labio antico 6-8 mm longo 3-fido, lobis oblongis, apice rotundatis. Stamina 2, glbra, filamentis prope basin corollae insertis circ. 1.5-2 mm longis, antheris circ. 0.7-1 mm longis. Pistillum circ. 7mm longum, ovario puberulo, stylo parte superiore excepta albo-villoso, stigmate parvo. Capsulae longe ellipsoideae, 4-5 mm longae, pilosellae. Semina brunnea, elliptica, circ. 0.3 mm longa. Fl. IX-X. Fr. X-XI.

Guizhou(贵州): Yanhe County(沿河县), Zhujiadong(朱家洞), alt. 760 m, at a thin layer of soil

基金项目:贵州省科学技术基金项目([2008]2086号)
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收稿日期:2010-03-01

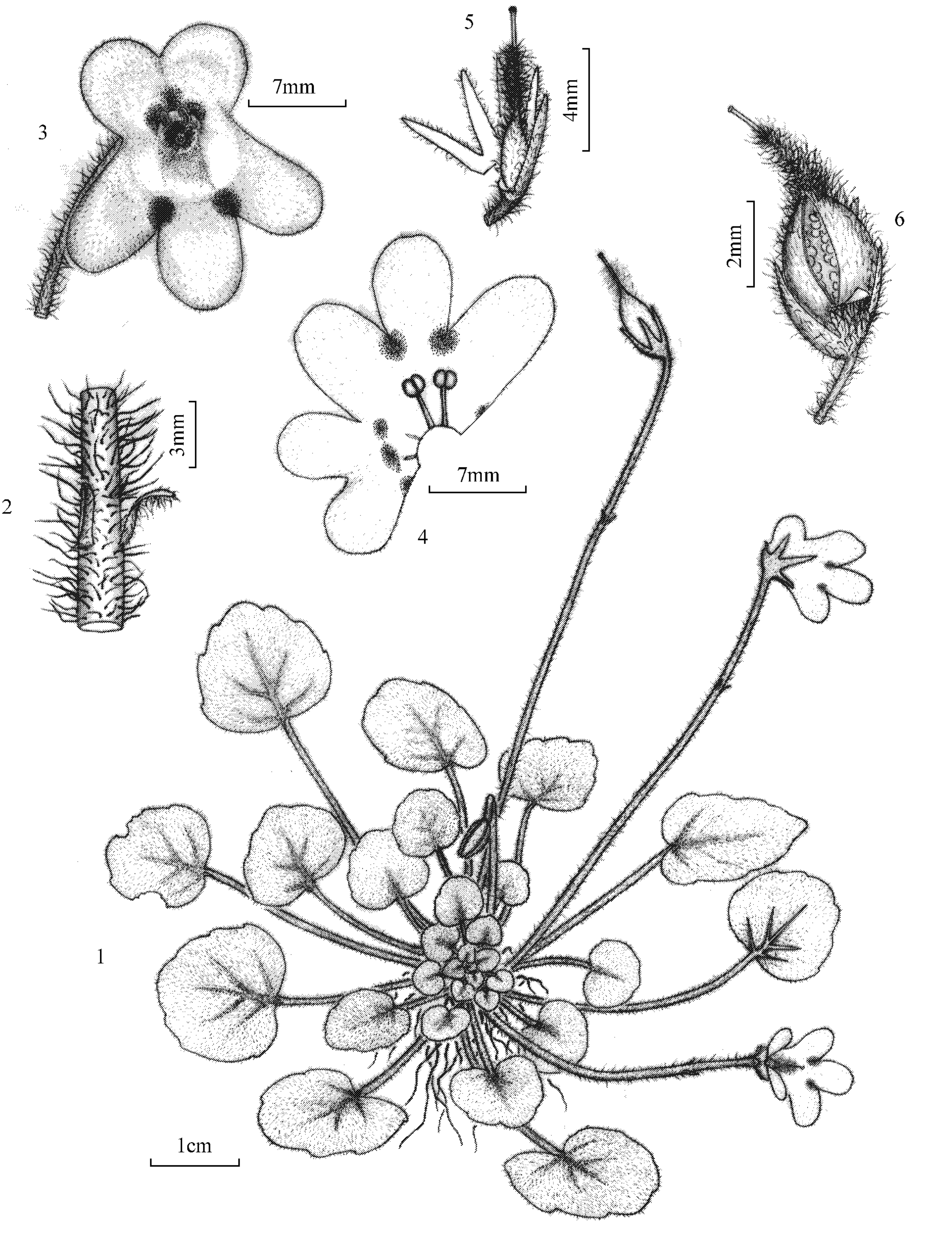


图 1 黄斑石蝴蝶 1. 植株;2. 花序梗;3. 花;4. 花冠;5. 雌蕊;6. 果实(王晓宇绘)

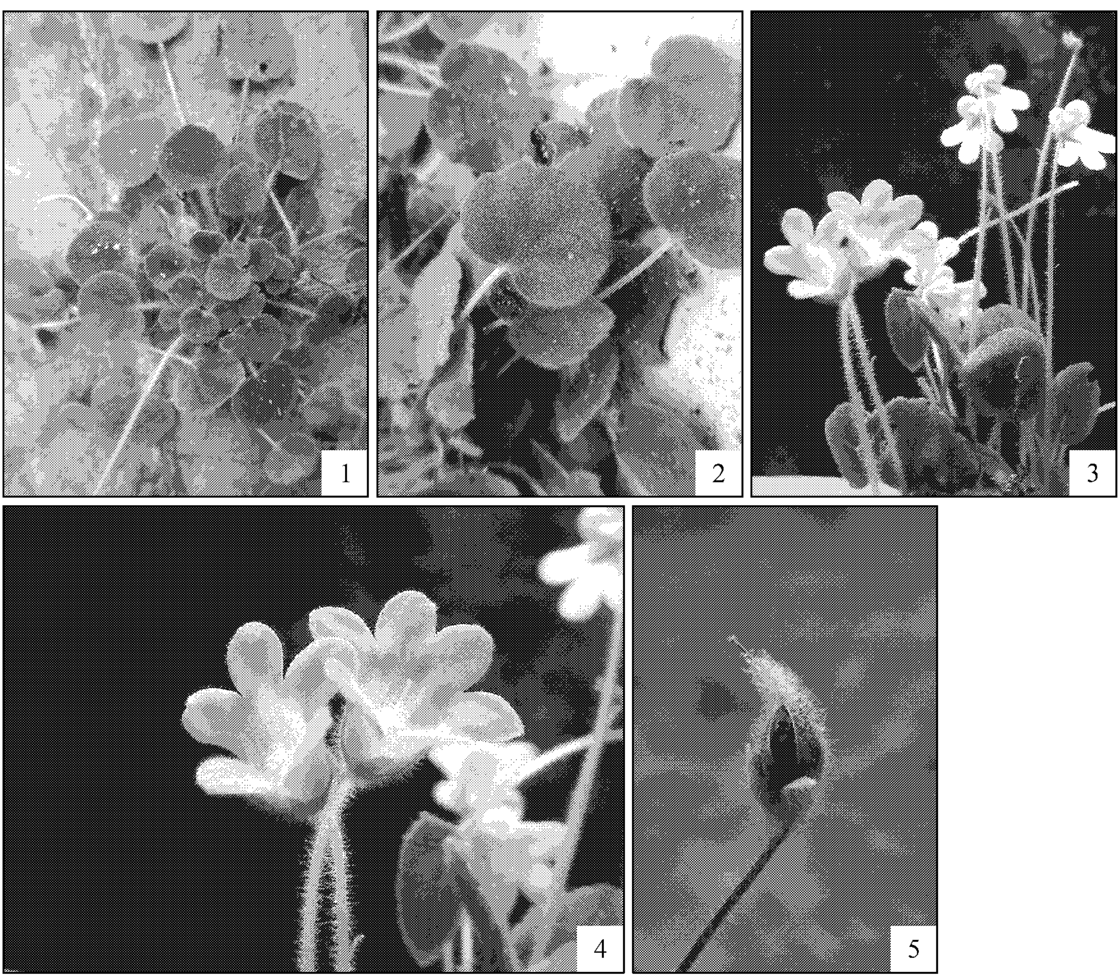
Fig. 1 *P. xanthomaculata* G. Q. Gou et X. Y. Wang 1. Plant;2. Rachis;3. Flower;4. Corolla;5. Gynoecium;6. Fruit(Drawn by X. Y. Wang)

on a stone in front of a limestone cave. G. Q. Gou(苟光前)08115 September 28, 2008; ibid., G. Q. Gou09312(Holotype! Deposited in GACP), November 30, 2009.

多年生小草本。叶 20~40 枚,基生;叶片草质,宽卵形,长圆状卵形或圆卵形,长 0.3~2 cm,宽 0.4~2.5 cm,顶端钝或圆形,基部心形,边缘有波状浅齿,上面密被柔毛,灰绿色,下面有较密的长柔毛,紫红色,侧脉每侧约 2~3 条,在下面明显;叶柄细,长 1~4 cm,被白色长柔毛。花序 2~5 条,每花序有 1 花;花序梗长 3~7 cm,被白色长柔毛,有 2 苞片;苞片小,狭披针形,长约 1 mm。花萼 5,裂片披针状条形,长 2~4 mm,宽 0.4~0.7 mm。外面被长柔毛。花冠白色,两面被短柔毛,在裂片之间具明显圆形黄色斑纹,筒长 4~5 mm;上唇长 3~4 mm,2 浅裂。下唇长约 6~8 mm,3 深裂,裂片长圆形,顶端圆形。雄蕊 2,无毛. 花丝着生于花冠近基部处. 长约 1.5~2 mm,花药长约 0.7~1 mm。雌蕊长约 7 mm,子房被柔毛,花柱除上部外密被开展的白色长柔毛,柱头小。蒴果长椭圆形,长约 4~5 mm,被柔毛。种子褐色,椭圆形,长 0.3 mm。花期 9~10 月,果期 10~11 月。

本种与贵州石蝴蝶(*P. cavaleriei* Lévl.)相近,但叶多数,20~40 枚,叶基心形,花冠白色,在裂片之间具明显黄色斑纹,苞片小,长约 1 mm,花柱除上部外密被开展的白色长柔毛而不同。

该种的花药不缢缩,花冠上唇为下唇之半应归入石蝴蝶组(sect. *Anisochilus* Hemsl.),花冠上唇 2 裂达中部而为髯毛石蝴蝶系(ser. *Barbatae* W. T. Wang)的种类。



图版Ⅰ 1. 植株 2. 叶 3. 叶和花 4. 花 5. 果实

Plate Ⅰ 1. Plant 2. Leaf 3. Leaf and flower 4. Flower 5. Fruit